

# **GCCS/DII COE System Integration Support**

## **DII COE Segment Installation Procedures (for ORAC Version 1.1.0.2/7.3.2.3 for HP-UX 10.20)**

September 15, 1997

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Contract Number: DCA100-94-D-0014  
Delivery Order Number: 330, Task 6  
CDRL Number: A005

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**Defense Information Infrastructure (DII)**  
**Common Operating Environment (COE)**

**Segment Installation Procedures**  
**Oracle Client Applications (ORAC)**  
**Version 1.1.0.2/7.3.2.3 (HP-UX 10.20)**

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Preface ..... ii

## Preface

The following conventions are used in this document:

<b>Bold</b>	Used for information that is typed, pressed, or selected in executables and instructions. For example, select <b>connect to host</b> .
<i>Italics</i>	Used for file names, directories, scripts, commands, user IDs, document names, and Bibliography references; and any unusual computerese the first time it is used in text.
<u>Underline</u>	Used for emphasis.
Arrows <>	Used to identify keys on the keyboard. For example <Return>.
“Quotation Marks”	Used to identify informal, computer-generated queries and reports, or coined names; and to clarify a term when it appears for the first time. For example “Data-Generation Report.”
Courier Font	Used to denote anything as it appears on the screen or command lines. For example <code>tar xvf dev/rmt/3mm</code> .
Capitalization	Used to identify keys, screen icons, screen buttons, field, and menu names.

## 1. Installation Procedures (IP) for ORAC

This document provides a quick reference for installing the Oracle Client Application (ORAC) segment onto a Defense Information Infrastructure (DII) Hewlett Packard (HP)-based workstation.

### 1.1 ORAC Segment Contents

These Installation Procedures contain instructions to install the ORAC segment. This segment must be installed on any machine that acts as an Oracle client (i.e., any machine that will have Oracle database user applications installed). This segment does not conflict with or require any other segment. Section 1.2 details what information an installer must know before beginning the installation and how to modify the configuration of the machine to receive the ORAC segment. Section 1.3 provides an overview of the questions that the installation script asks the installer and how the installer should respond.

### 1.2 Pre-Installation Instructions

The installer should know the name or Internet Protocol (IP) address of the machine that hosts or will host the database. If there will be more than one database server, the installer should name a “primary” database server. The installer should also know the Oracle SID of the database instance (this value defaults to DII in the installation).

To configure the machine to install ORAC, the System Administrator (SA) must determine where to install ORAC. Since Oracle is a commercial off-the-shelf (COTS) product, it expects its software to be installed in the `/ora01/app/oracle/product` directory. Thus, this segment will put the Oracle client binaries in the `/ora01/app/oracle/product/client` directory. If `/ora01` exists, either as a directory or as a link to another directory, then the Oracle segment is loaded under that directory. The Install program alerts the installer if there is not enough disk space to load the ORAC tools. The installation is aborted if there is not enough space to load all ORAC applications.

If the `/ora01` directory does not exist, then the segment will determine the largest partition in either `/h` or `/home[0-n]` and create a link from the largest partition found to the `/ora01` directory (e.g., `/ora01` becomes `/home1/ora01`).

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**NOTE:** If your system only has a `/` partition, perform the following commands prior to the installation to link it to the `/h` directory:

```
/h/ora01
ln-s /h/ora01 /ora01
```

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On DEINSTALL, all links and directories are removed if nothing remains in the path (i.e., Oracle Relational Database Management System [RDBMS] [ORAS] is not installed on the machine).

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**NOTE:** Additional ORAC segments will require space in this directory (e.g., the Oracle Client Tools 2 [ORAT2] will require approximately 500 MB. See the ORAT2 documentation for the exact value.

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### 1.3 Questions for the Installer

The PostInstall script asks two questions of the installer. First, the installer is prompted for the name or IP address of the database machine. After entering a name or IP address, the script displays the user's entry and asks for confirmation (e.g., "Is this correct?").

The PostInstall script then asks for the SID name of the database instance. If the installer clicks "OK" without entering any text, this value defaults to "DII". After a value is entered, the script displays that value and asks for confirmation. If, after installation, it is discovered that one of these two values was entered incorrectly, de-install the segment and re-install it, entering the correct values.